

QUARRY HILL NATURE CENTER

p 507-328-3950 w www.QHNC.org a 701 Silver Creek Road NE Rochester, MN 55906



Greetings from Quarry Hill Nature Center,

For more than 45 years, Quarry Hill has been a leader in natural science and environmental education. Staffed by licensed science teachers and naturalists, our programs are based on cutting edge education trends and grounded in hands-on discovery. We believe that hands-on, inquiry based activities develop critical thinking, exploration and investigative skills as well as respect for the natural world. The extensive resources both in the park and the center provide an experience not easily duplicated at home.

We welcome homeschool families to participate in our public programs and the following offerings designed specifically for homeschool students. These classes are for home school students only, are based on age, and are offered four times during the school year. Topics rotate from year to year.

- Quarry Hill's environmental education classes focus on interactive hands on learning and correlate to MN Science Standards.
- Classes range from 1½ - 2 hours in length. Classes often include a significant amount of time outside. Please dress for the weather.
- Classes are \$4.00 per student for each visit. Advance registration and payment is required.
- Parents do NOT need stay.

How to Register:

Stop by the nature center M – F from 9:00 – 5:00 or call 328-3950. Payment can be made by credit card over the phone.

Print registration form and mail with check made payable to Quarry Hill Nature Center to:

Quarry Hill Nature Center
701 Silver Creek Rd NE
Rochester, MN 55906

**Please refer to the back side for class listings and registration dates.
Registration for all classes begins September 21.**

Home School Offerings 2017-2018

October 11 1:15-2:45 PM

What is a Scientist? Ages 5-7

Students will practice the science skills of observation, measurement and asking questions. A puppet show, observation hike and tree measurement activities will be included.

Fee = \$4.00

October 11 1:00-3:00 PM

Aquatic Food Webs Ages 8-10

Students will use physical and chemical tests, as well as biological indicators, to determine if the Quarry Hill pond is a "healthy". Students will learn about the connections of life (food chains and food webs) within the pond environment as they participate in an activity that illustrates the concepts of producer, consumer, omnivore, carnivore, & herbivore.

Fee = \$4.00

February 9 9:30-11:00 AM

Soil Sleuths Ages 5-7

The "Soil Chef" will help students understand the difference between soil & dirt and give the recipe for soil. Students will hike to the QH sandstone cave and also sift & sort soil samples into their components.

Fee = \$4.00

February 9 9:30-11:00 AM

Plankton Classification Ages 8-10

Students will learn microscope basics and have time to practice with prepared slides before moving on to the amazing world of microorganisms within a drop of water. Preparing a wet mount slide, observation, sorting, & classifying skills will be emphasized.

Fee = \$4.00

April 18 9:30-11:00 AM

Growing Up Ages 5-7

This class focuses on animal's lifecycles; how they are born, and change as they become adults. Through active learning situations, (puppet skits and 2 outside activities) students learn about various animal families and babies.

Fee = \$4.00

March 2 9:30-11:00 AM

Maple Syruping Ages 8-10

Students will learn how syrup is made from beginning to end. They will learn which trees produce edible syrup and then practice tapping. Participants will even get to sample some finished box elder syrup.

Fee = \$4.00

MIDDLE SCHOOL OFFERINGS

February 9 9:30-11:00 AM

Winter Survival Ages 11-14

Students will learn animal survival strategies, learn about core and extremity body temperatures as it relates to hypothermia, take the ice bucket challenge, and experiment with insulators. Meet at Quarry Hill and dress to be outside for a portion of the class.

Fee = \$4.00

April 18 9:30-11:00 AM

Energy Conservation Ages 11-14

During this class, students will work with interactive learning stations related to energy conservation, alternative energy sources, and potential environmental problems related to energy use. Students will also play our energy game trail to test and add to their knowledge of energy usage.

Fee = \$4.00